

20
CLAIMS

1. A synthetic resin cap comprising a cap body and a circular inner seal projection,

the cap body having a top plate and a cylindrical section extending downward from the periphery thereof, and a threaded section that engages with a thread of the container opening is formed in the inner peripheral surface of the cylindrical section,

the inner seal projection formed on the inner surface of the top plate and fits into a container opening,

characterized in that the circumferential direction forming angle of the threaded section is from 600° to 720° , and the threaded section is divided into a plurality of divided threaded sections at divided sections; and the divided sections are provided at nearly equal intervals in the circumferential direction.

2. The synthetic resin cap according to Claim 1, characterized in that the divided threaded section, which is immediately below the divided threaded section at the nearest position to the top plate, and the divided threaded section, which is immediately above the divided threaded section at the farthest position from the top plate, are formed continuously.

3. The synthetic resin cap according to Claims 1, characterized in that a circular opening seal projection that contacts an opening edge of the container opening is formed on the top plate, and, when the synthetic resin cap is attached to the container opening, the opening edge seal projection is made able to bend and be deformed in the expanding radial direction until it contacts the cap body.

4. A closing device comprising a container and a synthetic resin cap that is fitted into an opening of the container,

the synthetic resin cap has a cap body and a circular inner seal projection,

the cap body having a top plate and a cylindrical section extending downward from the periphery thereof, and a threaded section that engages with a thread of the container opening is formed in the inner peripheral surface of the cylindrical section,

the inner seal projection formed on the inner surface of the top plate and fits into a container opening,

characterized in that the threaded section having a circumferential direction forming angle of from 600° to 720° , and being divided into a plurality of divided threaded sections at divided sections; the divided sections being provided at nearly equal intervals in the circumferential direction.

5. A container-filled beverage in which a beverage is filled inside a closing device provided with a container and a synthetic resin cap,

the synthetic resin cap has a cap body and a circular inner seal projection,

the cap body having a top plate and a cylindrical section extending downward from the periphery thereof, and a threaded section that engages with a thread of the container opening is formed in the inner peripheral surface of the cylindrical section,

the inner seal projection formed on the inner surface of the top plate and fits into a container opening,

characterized in that the threaded section having a circumferential direction forming angle of from 600° to 720° , and being divided into a plurality of divided threaded sections at divided sections; the divided sections being provided at nearly equal intervals in the circumferential direction.